MARVEL INDUSTRIES

Owner's Guide

MARVEL COMMERCIAL REFRIGERATOR, REFRIGERATOR/FREEZER AND FREEZER

OWNER'S INSTRUCTIONS

How to operate and care for your appliance and how to get the best, as well as lowest cost, performance.

READ THIS BOOK!

Note to Customer:

This merchandise was carefully packed and thoroughly inspected before leaving our plant. Responsibility for its safe delivery was assumed by the carrier upon acceptance of the shipment. As directed on the side of your packing carton, claims for loss or damage sustained in transit must be made on the carrier as follows:

A) **Exterior Damage:** Make thorough damage notation on your delivery receipt and have driver acknowledge by signature and date. Send a written request asking for an inspection report from carrier. Include the name of carrier representative and the date the inspection was requested. Retain inspection report and receipt for filing of a claim.

B) **Concealed Damage:** This must be reported to carrier within fifteen days. Obtain inspection report from the carrier. Retain the inspection report for filing of the claim. DO NOT RETURN DAMAGED MERCHANDISE TO MANUFACTURER - FILE THE CLAIM WITH THE CARRIER.

Manufactured by Marvel Industries
A Division of Northland Corporation
P.O. Box 997, Richmond, Indiana 47375
Telephone: 765-962-2521
Toll Free: 1-800-962-2521

P/N 41004385
Revision "B"

IMPORTANT SAFETY INSTRUCTIONS . . .

WARNING–When using this appliance, always exercise basic safety precautions, including the following:

* This refrigerator must be properly installed in accordance with the Installation Instructions before it is used.

* Never unplug your unit by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.

* Repair or replace immediately all electric service cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either the plug or connector end.

* After your unit is in operation, do not touch the cold surfaces, particularly when hands are damp or wet. Skin may adhere to these extremely cold surfaces.

* Unplug your refrigerator:

  A. Before making any repairs.

  Note: We strongly recommend any servicing to be performed by a qualified individual.

  B. Before cleaning.

  C. Before replacing a burned-out light bulb, for units with optional interior light. Turning the temperature control to "O" or "OFF" position does not remove power to the light circuit.

* Do not operate your refrigerator in the presence of explosive fumes.

HOW TO INSTALL YOUR REFRIGERATED CABINET . . .

1. **Select Location:** The proper location will ensure peak performance of your appliance. Choose a location where the unit will be out of direct sunlight and away from heat sources.

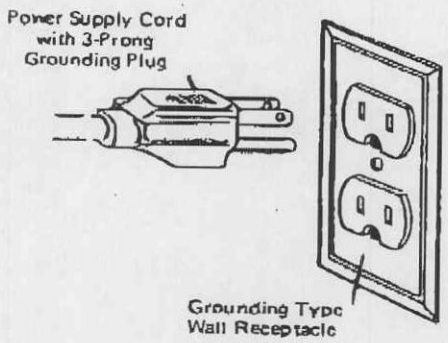
2. **Cabinet Clearance:** Ventilation is required from the bottom front section of the unit. Keep this area open and clear of any obstructions.

   Units with fan cooled condensers can be built in. The adjacent cabinets and counter top can be built around the unit as long as no top trim or counter top is installed lower than the top of the hinge.

   For 17 cu. ft. models, the condenser is built in side walls. These products are designed for free-standing installation. It needs at least 6 inches clearance on both sides, 12 inches clearance on the top and 1 1/2 inches clearance from the back for proper air circulation.

3. **Electrical Connection:** Check serial plate for correct power supply. Use only electrical power supply as specified on your appliance serial nameplate. Do not use an extension cord.

Figure 1



The Plug shown is for 115V units. The prongs on your model may be different than the one shown if your unit is other than 115 volts.

Grounding Method - This product is factory equipped with a power supply cord that has a three-pronged grounded plug. It must be plugged into a mating grounding type receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. If the circuit does not have a grounding type receptacle, it is the responsibility and obligation of the customer to exchange the existing receptacle in accordance with the National Electrical Code and applicable local codes and ordinances. The third ground prong should not, under any circumstances, be cut or removed. All U.L. listed refrigerated products are equipped with this type of plug.

4. **Leveling legs:** If supplied; adjustable legs at the front corners of the unit should be set so the unit is firmly positioned on floor and the front is raised just enough so the door closes easily when opened about halfway.

   Turn leveling legs clockwise to raise unit, counterclockwise to lower it.

5. **Others:** Do not install the unit where the temperature will go below 60° F, because it will not run often enough to maintain proper temperatures.

   Do install it on a floor strong enough to support a fully loaded unit.

INTERIOR LIGHT . . .

(Optional Feature)

When supplied with an interior light, to replace the light bulb, proceed as follows:

1. Unplug the power cord from the wall receptacle.
2. Open the cabinet door.
3. For the 17 cu. ft. all-refrigerator, no disassembly of the lamp shield is required.
4. Unscrew the existing bulb and replace with an equivalent watt, threaded, intermediate base appliance bulb. Do not replace with a bulb higher than the watts of the replaced bulb.
5. Reassemble.

To clean the light assembly disconnect the power cord and wipe the assembly with a mildly damp cloth. Dry the unit completely before connecting the power cord.

TEMPERATURE CONTROL . . .

On a temperature control knob, the bigger numbers indicate colder temperature. Initially set the temperature control knob midway between the numbers. After at least 2 hours, adjust to the temperature that suits you.

DEFROSTING INSTRUCTION . . .

Never use a scraper or any tool that might scratch or pierce the cooling plate or cooling tube. Follow these steps whenever 1/4 inch or more of frost accumulates:

1. Disconnect the power cord and set the cold control knob to "OFF" position.
2. Remove contents and leave the door open.
3. Place pans of hot water on the cooling plate if you wish to speed up defrosting.
4. Wipe out the interior and replace contents.
5. Connect power cord to outlet.
6. Set temperature control to desired level.

Note:

1. All refrigerator models and the refrigerator compartment of 2-door models automatically defrost their cooling plate during each compressor off cycle. No manual defrosting is required.

The 17 cu. ft. all-refrigerator defrosts automatically during each off cycle.

The 17 cu. ft. all-freezer is a manual defrost unit. Defrost this unit by removing all commodities and turning the thermostat dial to the "OFF" position. When defrosting is complete, turn thermostat dial back to original setting and place commodities back in unit.

ENERGY SAVING TIPS . . .

WAYS TO SAVE POWER, SAVE MONEY, AND STILL ENJOY YOUR UNIT

1. Reduce door openings.
2. Close the door as soon as you can.
3. Keep the coils on bottom or back of the unit clean.
4. Adjust the temperature control to a warmer setting when practical.
5. Do not put hot commodities in the unit.
6. Keep unit away from heat sources and direct sunshine.

HOW TO CLEAN AND MAINTAIN YOUR CABINETS . . .

Condenser: The condenser tubing under the cabinet for forced air units does not require frequent cleaning; however, satisfactory cooling depends on adequate ventilation over the condenser. Be sure that nothing obstructs the air flow openings in the lower front of the cabinet. At least once or twice a year brush or vacuum lint and dirt from the condenser for efficient performance by unscrewing the grille on the bottom front of the cabinet and unplugging power cord from wall outlet. Static condenser units with exposed coils on back of unit should be inspected periodically and cleaned as required.

Cabinet: The painted cabinet can be washed with mild soap and water and thoroughly rinsed with clear water. Never use abrasive scouring powders.

Interior and Door Gasket: Wash interior compartment and door gasket with soap and water. Mix 2 tablespoons of baking soda with one quart of warm water. Do not use an abra-

sive powder, solvent, polish cleaner or undiluted detergent.

THINGS TO REMEMBER . . .

1. Allow 24 hours for your unit to reach a new temperature setting.

2. The motor will start and stop often. It must do this to maintain the temperature you select.

3. Keep your unit reasonably level.

4. Unplug the unit before working on anything with the electrical system.

5. Exercise caution when sweeping, vacuuming, or mopping near the front of the unit. Damage to the grille and/or the light fixtures switch can occur.

6. For all cleaning of the unit, mix 2 tablespoons baking soda with 1 quart warm water. Or use mild soap. Do not use strong cleaners or scouring powder or pads.

7. Keep all flame or sparks away from flammable material storage refrigerators when opening the door to remove or store commodities.

8. Disconnect electrical power before removing F.M.S. refrigerator electrical plug.

BEFORE CALLING FOR SERVICE . . .

Check the following Trouble Shooting Table.

Problem	Possible Cause/Solutions
Odor in cabinet	- Interior needs cleaning
Noisy operation	- Cabinet not level
Cabinet vibrates	- Cabinet not level
Cabinet light not working (Optional Feature)	- Bulb burned out - No power at outlet
Appliance will not run	- Temperature control turned to "OFF" - Line cord not plugged in - No power at electrical outlet - Circuit Breaker Tripped
Appliance runs too long	- Prolonged door openings - Control set too cold - Condenser needs cleaning
Moisture collects inside	- Too many door openings - Prolonged door openings - Hot, humid weather increases condensation
Moisture collects on outside surface	- Hot, humid weather increases condensation. As humidity decreases, moisture will disappear. - Control improperly set
Interior too hot/ too cold	- Control improperly set - Faulty thermometer

HOW TO OBTAIN SERVICE . . .

Your refrigerator/freezer requires little service because the best and most up-to-date materials, equipment and quality control methods are employed throughout the manufacturing process.

If trouble occurs during normal operation, first check the problems in the trouble shooting guide to see if any of these simple steps may correct the problem. If service becomes necessary, refer to the warranty enclosed with the owner's guide for instructions.

IT IS IMPORTANT THAT YOU SEND IN YOUR WARRANTY RECORD CARD IMMEDIATELY AFTER TAKING DELIVERY OF YOUR REFRIGERATION APPLIANCE.

Every new refrigeration appliance that leaves the factory contains this Owner's Guide. Keep this Owner's Guide in a safe place for convenient reference.

In the event that you do need service, be sure to report the model number, serial number and proof of purchase. Refer to warranty for instructions. Model number and serial number are found on the serial plate which is located on the lower front cabinet flanges or left interior cabinet wall. Flammable material storage models have their serial nameplates on the back of the cabinets. For your convenience you may want to record the following information for your records.

Date of Purchase_____

Dealer's Name_____

Dealer's Address_____

Dealer's City_____

Dealer's State_____ Zip_____

Appliance Serial No._____

Model No._____

Date Warranty Card Sent_____
(Within 10 days of purchase)

MARVEL COMMERCIAL REFRIGERATION PRODUCTS WARRANTY

Entire Product - One Year Parts and Labor Warranty. MARVEL warrants to the original purchaser that it will supply all necessary parts and labor to repair or replace in the end user's establishment, any component which is found by an authorized representative of MARVEL to be defective in materials or workmanship, subject to the conditions and exclusions stated below, for the period of one year from date of purchase by the end user.

Refrigeration System - Additional Second Through Fifth Year Parts Only Warranty. During the four years following expiration of the One Year Warranty, MARVEL warrants to the original purchaser that it will supply replacement parts for the hermetically sealed refrigeration systems which consists of the compressor, evaporator, condenser, drier, and connecting tubing that are found by an authorized representative of MARVEL to be defective in workmanship or materials. Other parts, labor costs, and freight charges are the responsibility of the end user.

If MARVEL is unable to repair or replace the defective product or component, MARVEL shall issue a credit to the buyer for all or part of the purchase price, as MARVEL shall determine. The repair, replacement or payment in the manner described above shall be the sole and exclusive remedy of buyer for a breach of this warranty.

Buyer must give written notice of any alleged defect in the product to MARVEL within 30 days after discovery of the defect by buyer. If notice is not given within such period, any claim for breach of warranty shall be conclusively deemed to have been waived, and MARVEL shall not be liable under these warranties. MARVEL or its agents shall be entitled to examine the product. MARVEL shall have the option of requiring the return of the defective component, transportation prepaid, to establish the claim. The acceptance by MARVEL of any component returned shall not be deemed an admission that the product is defective or in breach of any warranty and, if MARVEL determines that the product is not defective, the component shall be reshipped to the buyer at buyer's expense. No component will be returned to MARVEL without its prior consent.

The above warranties do not cover:

- Shipping costs of replacement parts or returned defective parts.
- Customer education or instructions on how to use the refrigerator/freezer.
- Any content loss, or incidental or consequential damage or loss due to product failure.
- Removal or installation.

Nor do the above warranties cover failure of this product or its components due to:

- Transportation, damage sustained in transit or subsequent damages.
- Use in hostile environments or use for storage of contents hostile to the product.
- Improper installation, misuse, abuse, accident or alteration, use on wiring not conforming to electrical codes, low voltage, failure to provide necessary maintenance, or other unreasonable use.
- Parts or service not supplied or designated by MARVEL.

The above warranties also do not apply if:

- The original Bill of Sale, delivery date or serial number cannot be verified.
- The refrigeration equipment is not in the possession of the original end use purchaser.

THE WARRANTIES SET FORTH HEREIN ARE THE ONLY WARRANTIES EXTENDED BY MARVEL INDUSTRIES AND ARE IN LIEU OF ALL WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE. IN PARTICULAR, MARVEL MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

MARVEL's liability for any defect in the product shall not exceed the purchase price of the product. MARVEL SHALL HAVE NO LIABILITY FOR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, PROPERTY DAMAGE, LOST PROFITS OR OTHER ECONOMIC INJURY DUE TO ANY DEFECT IN THE PRODUCT.

No person, firm or corporation is authorized to modify, expand or extend these warranties, to waive any of the limitations or exclusions, or to make any other warranty or assume any other obligation for MARVEL INDUSTRIES. These warranties apply only to products used in any of the fifty states of the United States and the District of Columbia.

To obtain performance of this warranty, report any defects to:

MARVEL INDUSTRIES
P.O. BOX 997
Richmond, Indiana 47375-0997
765-962-2521
1-800-962-2521